

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000339

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C03C 15/00, 21/00, 23/00; H01L 31/0236, 31/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Derwent Online Abstracts, IPC as above and C03C 17/- with various keywords for films/layers/coatings and textur(ing)/rough(ening)/profile(ing)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2000/028602 A (PACIFIC SOLAR PTY LIMITED) 18 May 2000 See claims, examples.	1-20, 22-25
X	US 4885053 A (BOGENSCHUTZ et. al.) 5 December 1989 See claims, examples.	1
X	US 5376197 A (SCHAUPERT) 27 December 1994 See claims, examples.	1, 2, 5, 6, 11
X	DE 4318178 A (SCHOTT GLASWERKE) 8 December 1994 See claims, examples.	1, 2, 5, 6, 11
P, X	US 2003/0213770 A (YAMADA et. al.) 20 November 2003 See claims, examples.	1
A	US 5399185 A (BERTHOLD et. al.) 21 March 1995 See claims, examples.	1-20, 22-25
A	US 4042449 A (HUNT et. al.) 16 August 1977 See claims, examples.	1-20, 22-25

☐ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
13 May 2004

Date of mailing of the international search report
17 MAY 2004

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

- 1) Claim 1 directed to a method of texturing glass by coating it with a material film, stimulating a reaction of that film so it interacts with the glass, forming reaction products on it, then removing the film and reaction products to form a textured surface. It is considered that the combination of producing a material film on the glass, treating it to react with the glass and form reaction products, then removing the film and the reaction to form the textured glass, together comprise a first "special technical feature." Claims 2-20 dependent on claim 1 and 22-25 when related to the same invention also contain the same special technical feature.
 - 2) Claim 21 directed to a photovoltaic device incorporating a glass pane having a textured surface and a semiconductor film on that surface, characterised by its absorption efficiency in a given range of photon wavelength. The provision of a semiconducting layer on the textured glass having this absorption efficiency characteristic comprises a second "special technical feature." The method by which the textured glass surface is made is not specified in claim 21, which is therefore not directly related to the method of claim 1.
1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
 2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
 3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
 4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-20, 22-25

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO 0028602		AU 15012/00	AU 15332/00	EP 1142031	
		US 6420647	US 6538195	WO 0028603	
US 4885053		DE 3523960	EP 0208956	JP 62007688	
US 5376197		EP 0587998			
DE 4318178					
US 2003213770		JP 2003245784			
US 5399185		DE 4125200	EP 0551458	WO 9302982	
US 4042449		US 3999301			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					